

## STATE OF SOUTH AUSTRALIA.

## FINAL RESULTS OF CEREAL AND HAY HARVEST, 1938-39.

WHEAT 1938-39 - 31,737,411 Bush. Aver. per acre 10.29 Bush.

WHEAT 1937-38 - 43,428,423 Bush. Aver. per acre 13.73 Bush.

There are still a few minor Wheat Districts where the completion of the collection has been delayed and a number of odd returns from farmers in other Districts outstanding, but, rather than further delay the final results, a safe estimate has been made for all these and hence the totals now submitted may be accepted subject to slight alteration.

## I. GENERAL REMARKS.

The Official December Forecast gave an estimated yield of 30,700,000 bushels, but the actual returns now collected give a yield of 31,737,411 bushels, the increase being accounted for by the heavy weight of the grain, the standard f.a.q. weight of wheat being fixed at  $64\frac{1}{2}$  lbs. per bushel, the highest ever recorded.

The barley yield is shown as 7,538,761 bushels compared with the estimate of 7,000,000, and oats as 2,367,755 bushels compared with the estimate of 2,400,000.

Considering the exceptionally dry spring, when the average rainfall for the 3 months September to November was only 1.66 inches compared with the mean of 3.92 inches, the yields of cereals can be considered very satisfactory.

## II. GROWERS AND ACREAGE SOWN.

WHEAT GROWERS - There were 13,769 (13,982) growers of Wheat for all purposes for the season 1938-39 and of this number 12,702 (13,063) reaped areas for grain, 1,756 (1,774) reaped areas of under 50 acres. Share farmers are counted once only.

ACREAGE - The grand total acreage sown to Wheat, Barley and Oats for all purposes was 4,547,714 (4,553,422) acres, a decrease on the previous year of 5,708 acres.

WHEAT - 3,346,134 (3,358,008) acres - Grain 3,084,268 (3,161,739) acres, Hay 225,395 (194,196), Fed off etc. 36,471 (2,073).

BARLEY - 505,127 (437,462) acres - Grain 457,874 (411,288) acres, Hay 4,765 (5,310) and Fed off, etc. 42,488 (20,864).

OATS - 696,453 (757,952) acres - Grain 266,025 (332,434) acres, Hay 270,469 (343,480), and Fed off etc. 159,959 (82,038).

## III. PRODUCTION AND AVERAGES PER ACRE.

WHEAT - 31,737,411 (43,428,423) Bushels, Decrease 11,691,012 bushels - averaging 10.29 (13.73) Bushels per acre.

BARLEY - 7,538,761 (8,647,043) Bushels, Decrease 1,108,282 bushels - averaging 16.46 (21.02) Bushels per acre.

OATS - 2,367,755 (2,960,944) Bushels, Decrease 593,189 bushels - averaging 8.90 (8.91) Bushels per acre.

HAY (Wheaten, Oaten and Barley) - 555,714 (659,583) tons, decrease 103,869 tons - averaging 1.11 (1.22) tons per acre. Distributed as follows - Wheaten 285,391 (273,562), Oaten 265,760 (379,800), Barley 4,563 (6,221) tons.

## IV. BENEFITS FROM FALLOWING.

Of last season's Wheat crop 2,345,914 (2,320,863) acres sown on fallow yielded 27,644,794 (36,764,559) Bushels averaging 11.78 (15.84) Bushels per acre and 738,354 (840,876) acres sown on unfallowed land yielded 4,092,617 (6,663,864) Bushels averaging only 5.54 (7.92) Bushels per acre, thus making the State average 10.29 (13.73) Bushels per acre.

The following return illustrates the benefit from cropping wheat on fallowed land.

Grown on	Wheat Yield per acre				
	1938-39	1937-38	1936-37	1935-36	1934-35
Fallow	Bush. 11.78	Bush. 15.84	Bush. 11.22	Bush. 12.81	Bush. 11.02
	5.54	7.92	4.74	5.34	2.98
Total	10.29	13.73	9.39	10.58	8.61
RAINFALL - April-Nov.	Inches 10.17	Inches 11.38	Inches 10.00	Inches 12.08	Inches 11.97

V. RAINFALL - The mean monthly rainfall over the Agricultural Areas of the State is specially computed and recorded in comparison with the averages for the past 33 years. The following are the particulars in inches of the rainfall from April to November in each Division.

Year	Whole State	Central	Lower North	Upper North	South East.	Western	Murray Mallee
RAINFALL	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.
1938	10.17	12.45	9.90	6.93	15.06	9.82	7.40
1937	11.38	14.68	12.72	8.48	15.06	10.36	8.68
Av. 5 years	11.12	14.33	10.64	7.06	17.71	9.87	8.93
" 33 "	12.58	15.99	12.20	8.80	19.38	11.01	10.37
Wheat Yield	Bush.	Bush.	Bush.	Bush.	Bush.	Bush.	Bush.
1938	10.29	14.65	14.99	5.70	15.09	8.57	5.86
1937	13.73	16.54	18.37	13.03	20.52	9.36	11.47
Av. 5 years	10.52	14.54	14.85	8.01	19.68	7.61	7.52
" 33 "	10.47	13.14	14.35	9.20	13.30	6.81	7.38

#### VI. MARKETING OF THE CROP.

The carry forward was 2,100,000 Bushels, and with the 1938-39 crop a total of 33,800,000 Bushels was available. 3,000,000 bushels are required for seed and probably 4,600,000 bushels for Home consumption, including feed for stock and a three months' supply carry forward before the next crop is matured; less this 7,600,000 the balance available for export was approximately 26,200,000 bushels.

To date of this Bulletin, it is estimated that over 12,000,000 has been exported leaving a balance available for shipping of approximately 14,000,000 bushels.

#### VII. 4 MONTHS OVERSEA EXPORTS (December 1938 to March 1939).

The principal countries to which cereals have been exported this season compared with the same period last season are as follows :-  
 WHEAT (bushels) United Kingdom 2,769,529 (4,097,099), Japan 76,877 (nil), Russia nil (623,927), Egypt 127,718 (5,653), India 683,687 (423,862), China 285,155 (-), For Orders 3,280,695 (4,434,868), Totals 7,333,425 (10,631,369).  
 FLOUR (tons) United Kingdom 14,270 (15,658), Egypt 1,593 (2,823), China 4,050 (-), Totals 28,518 (21,986).  
 BARLEY (bushels) United Kingdom 1,060,032 (3,081,150), Belgium 109,952 (267,118), New Zealand 192,120 (308,422), Japan - (4,420), Totals 1,362,104 (3,661,110).

#### VIII. AREA INTENDED TO BE CROPPED, 1939-40.

Particulars have been received from farmers in all Hundreds of the State as to the Areas intended to be sown for 1939-40 season. These indicate that the following areas were intended to be sown for grain, hay and fodder - Wheat 3,030,000 acres, decrease 316,134 acres; Barley 550,000 acres, increase 44,873; Oats 820,000 acres, increase 123,547; Total 4,400,000 acres, decrease 147,714. The area under fallow decreased 140,000 acres.

A. W. BOWDEN,

Statistical Office,

ADELAIDE.

4th May, 1939.

GOVERNMENT STATIST.

STATE OF SOUTH AUSTRALIA.

FINAL RESULTS OF CEREALS AND HAY, 1938-39.

WHEAT 1938-39 Acres 3,084,268 Yield 31,737,411 Bush. Aver. 10.29 Bush.  
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1. ACREAGE CROPPED.

Divisions	Total Wheat Barley Oats	G R A I N			Hay (W.B.O.)	Fed off Areas (W.B.O.)
		Wheat	Barley	Oats		
Central	Acres 975,819	Acres 475,271	Acres 261,102	Acres 35,211	Acres 164,516	Acres 39,719
Lower North	1,013,505	756,503	94,162	26,901	92,330	43,609
Upper North	312,109	285,579	887	3,024	10,813	11,806
South Eastern	116,969	40,344	17,711	22,326	30,804	5,784
Western	1,148,278	830,336	34,122	113,138	98,122	72,560
Murray Mallee	981,034	696,235	49,890	65,425	104,044	65,440
Total 1938-39	4,547,714	3,084,268	457,874	266,025	500,629	238,918
Total 1937-38	4,553,422	3,161,739	411,288	332,434	542,986	104,975
Increase or Decrease	-5,708	-77,471	46,586	-66,409	-42,357	133,943

2. PRODUCTION OF GRAIN AND HAY.

Divisions	G R A I N						Hay (W.B.O.)
	Wheat		Barley		Oats		
	Bush.	Av.	Bush.	Av.	Bush.	Av.	Tons
Central	6,963,020	14.65	4,912,501	18.81	426,959	12.13	243,303
Lower North	11,337,152	14.99	1,363,354	14.48	330,045	12.27	105,447
Upper North	1,628,139	5.70	7,655	8.63	18,991	6.28	10,755
South Eastern	608,628	15.09	326,562	18.44	320,253	14.34	35,583
Western	7,119,731	8.57	523,741	15.35	906,451	8.01	88,561
Murray Mallee	4,080,741	5.86	404,948	8.12	365,056	5.58	72,065
Total 1938-39	31,737,411	10.29	7,538,761	16.46	2,367,755	8.90	555,714
Total 1937-38	43,428,423	13.73	8,647,043	21.02	2,960,944	8.91	659,583
Increase or Decrease	-11,691,012	-3.44	-1,108,282	-4.56	-593,189	-0.01	-103,869

3. FIVE YEARS' COMPARISON.

Year	W H E A T			Rainfall Agric. April- Nov.	Value of Overseas Exports	
	Area	Yield	Aver. per Acre		Wheat & Flour	Barley
1933-34	Acres 3,821,795	Bush. 35,373,466	Bush. 9.26	Inches 12.15	£ 2,731,285	£ 294,071
1934-35	3,188,225	27,455,600	8.61	11.97	4,139,633	345,550
1935-36	2,989,490	31,615,744	10.58	12.08	4,510,137	352,265
1936-37	3,058,457	28,714,653	9.39	10.00	4,944,881	432,079
1937-38	3,161,739	43,428,423	13.73	11.78	6,924,187	746,661
Mean	3,243,941	33,317,577	10.27	11.60	4,650,025	434,125
1938-39	3,084,268	31,737,411	10.29	10.17	2,452,661	218,883a

(a) Fine months.

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